

MANDRYKINA, T.L.

Development of the current secular cycle of solar activity during
the No.18 11-year cycle. TSir.Astron.obser. L'viv.un. no.34:11-
13 '58. (MIRA 13:10)

(Sun)

MANDRYKIEA, T.L.

Relationship between the life of sunspot groups and their area.
TSir.Astron.obser. L'viv.un. no.34:14-15 '58. (MIRA 13:10)
(Sunspots)

MANDRYKINA, T.L.

Catalog of yearly and monthly mean areas of sunspot groups from
1900 to 1950. Astron.sbor no.3/4:175-177 '60.

(MIRA 14:11)

1. L'vovskaya astronomicheskaya observatoryia.
(Sunspots)

MANDRYKINA, T.L.

Preliminary values of the $\bar{S}$ index for every year and every month
from 1950.00 to 1958.16. Astron.sbor no.3/4:178 '60.
(MIRA 14:11)

1. L'vovskaya astronomicheskaya observatoriya.
(Sunspots)

MANDRYKINA, T.L.

Comparison of yearly S_{max} and F indexes for 1900-1950.
Astron.abor no.3/4:198-199 '60. (MIRA 14:11)

1. L'vovskaya astronomicheskaya observatoriya.
(Sunspots)

MANDRYKINA, T.L.

Values of the α index for 1937-1950 according to the Greenwich catalogs. Astron.sbor no.3/4:200-202 '60. (MIRA 14:11)

1. L'vivskaya astronomicheskaya observatoriya.
(Sunspots)

S/035/62/000/010/043/128
A001/A101

AUTHORS: Eygenson, M. S., Mandrykina, T. L.

TITLE: Fluctuation index of solar activity, 11-year cycle and
fluctuation regime of geophysical fields

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 57-58,
abstract 10A394 ("Tsirkulyar Astron. observ. L'vovsk. un-ta",
1960, no. 35 - 36, 64 - 74)

TEXT: The authors introduce new fluctuation indices of solar activity,
which represent successive first differences of the selected absolute parameter
of solar activity. They present the catalogue of fluctuations in monthly values
of sunspot areas and Wolf numbers from 1874 to 1954. They conclude that an av-
erage level of solar activity is explained by the average background of solar-
-geophysical phenomena. The average amplitude of temporal fluctuations in para-
meters of solar-geophysical phenomena is apparently related to the fluctuation
index of solar activity.

T. Mandrykina

[Abstracter's note: Complete translation]
Card 1/1

S/169/62/000/006/072/093
D228/D304

AUTHORS: Eygenson, M. S. and Mandrykina, T. L.

TITLE: Normal system of solar activity indices

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 8, abstract 6G41 (Tsirkulyar. Atron. observ. L'vovsk. unta, no. 35-36, 1960, 75-77)

TEXT: Taking into account the large quantity of observations of solar activity indices and the need for a completely homogeneous and precise series of activity indices, the authors reckon that it is necessary to revise the existing system of indices. For this the authors suggest that the existing series of observations should be unified, and also that an international system should be created for the normal values of the solar activity indices. It is proposed that the observations of each solar observatory should be analyzed from a single point of view, and that a final composite international normal catalog should be created. [Abstracter's note: Complete translation.] ✓

Card 1/1

S/035/62/000/010/044/128
A001/A101

AUTHORS: Eygenson, M. S., Mandrykina, T. L.

TITLE: Numbers of empty and full days as functions of phases of 11-year
and secular cycles of solar activity

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 58,
abstract 10A396 ("Tsirkulyar Astron. observ. L'vovsk. un-ta", 1960,
no. 35 - 36, 87 - 90)

TEXT: It is shown that the number of days in a year when there are no
sunspots on the Sun varies during the secular and 11-year cycles. The number
of such "empty" days is the largest near the epoch of solar activity minimum,
and a maximum of the number of empty days coincides exactly with the data of
11-year cyclic minimum. Moreover, the summary number of empty days, calculated
for cycles no. 14 - 18 shows a secular variation toward decreasing the number of
empty days from cycle to cycle. The number of days when sunspots were observed
on the Sun is also depending on the phase of the 11-year cycle, dates of both
minima coinciding exactly. The summary number of full days during one cycle

Card 1/2

Numbers of empty and full days as functions of...

S/035/62/000/010/044/128
A001/A101

almost does not vary from one cycle to another.

T. M.

[Abstracter's note: Complete translation]

Card 2/2

L 19283-63

EMT(1)/EWG(k)/FCC(w)/BDS/EEC-2/ES(v) AFFTC/ASD/ESD-3/APGC/

SSD Pz-4/Pe-4 GW/JHB

ACCESSION NR: AR3006917

S/0169/63/000/007/A012/A012

SOURCE: RZh. Geofizika, Abs. 7A63

AUTHOR: Eygenson, M. S., Mandrykina, T. L.

TITLE: A New Form of Solar and Heliogeophysical Forecasts

CITED SOURCE: Visnyk L'vivsk. un-tu. Ser. Fiz., no. 1 (8), 1962, 88-89

TOPIC TAGS: solar activity, solar geoactivity, solar activity forecasting, heliogeophysical forecasting

TRANSLATION: On the basis of a fluctuation analysis and a study of the properties of fluctuations of solar activity previously introduced by the author, considerations on the possibility of predicting the fluctuating pattern of solar activity and solar geoactivity are presented.

DATE ACQ: 15Aug63

SUB CODE: AS

ENCL: 00

Card 1/1

S/269/63/000/002/017/037
A001/A101

AUTHORS: Eygenson, M. S., Mandrykina, T. L.

TITLE: The characteristics of solar activity fluctuations

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 2, 1963, 55 - 56, abstract
2.51.441 ("Tsirkulyar Astron. observ. L'vovsk. un-ta", 1962,
no. 37 - 38, 59 - 66)

TEXT: The authors study the characteristics of the index of fluctuation
amplitude of solar activity during the time from 1874 to 1953. It is shown that
the fluctuations of solar activity have been random. In addition to this, a
number of important regularities in these fluctuations is elucidated.

T. M.

[Abstracter's note: Complete translation]

Card 1/1

S/269/63/000/003/033/036
A001/A101

AUTHORS: Eygenson, M. S., Mandrykina, T. L.

TITLE: On intercorrelation of some summary characteristics of 11-year cycles

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 3, 1963, 62, abstract 3.51.451 ("Tsirkulyar Astron. observ. L'vovsk. un-ta", 1962, no. 37 - 38, 80 - 81)

TEXT: The author studied intercorrelation of some summary characteristics of 11-year solar activity cycles during the period from 1700 to 1953. The analysis of the regularities obtained led to the conclusion that the principal role, among all summary characteristics, belongs to duration of the ascending branch of an 11-year solar cycle. It determines, in general, the maximum power of the cycle and duration of the descending branch.

T. M.

[Abstracter's note: Complete translation]

Card 1/1

S/269/63/000/002/018/037
A001/A101

AUTHORS: Eygenson, M. S., Mandrykina, T. L.

TITLE: On the ascending branch of the current secular cycle of solar activity

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 2, 1963, 56, abstract 2.51.442 ("Tsirkulyar Astron. observ. L'vovsk. un-ta", 1962, no. 37 - 38, 82 - 90)

TEXT: The authors analyze the ascending branch of the current secular cycle of solar activity. Tables of various characteristics of solar cycles, starting from 1700, are presented. It is shown that the current secular cycle is not similar, morphologically, to the preceding secular cycle, but shows more likeness with the cycle before the preceding one. A principal conclusion of one of the authors is confirmed, which sounds as follows: The secular change of solar activity consists in the secular change in the course of the distribution curve of solar phenomena intensity. There are 7 references.

[Abstracter's note: Complete translation]

T. Mandrykina

Card 1/1

S/269/63/000/002/019/037
A001/A101

AUTHORS: Eygenson, M. S., Mandrykina, T. L.

TITLE: The asymmetry coefficient of an 11-year solar cycle and its secular periodicity

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 2, 1963, 56, abstract 2.51.443 ("Tsirkulyar Astron. observ. L'vovsk. un-ta", 1962, no. 37 - 38, 91 - 95)

TEXT: The authors introduce two versions of the asymmetry coefficient of 11-year solar cycles: 1) the ratio of times of decrease and growth of the cycle; 2) the ratio of areas of the Wolff curve under the decrease branch and under the growth branch (approximately: the ratio of the sums of Wolff numbers during the decrease branch and the growth branch). Using the data from 23 11-year cycles (1700 - 1953) the authors show that both versions of the asymmetry coefficient have a distinctly pronounced secular periodicity and are rather closely intercorrelated; correlation coefficient is equal to +0.915.

[Abstracter's note: Complete translation]

T. M.

Card 1/1

L 06317-67 EWT(1) GW

ACC NR: AR6016293

SOURCE CODE: UR/0269/66/000/001/0057/0058

AUTHOR: Mandrykina, T. L.

TITLE: Indices $S_{\max}$, $\bar{S}$, $\bar{S}_M$ in the current cycle

SOURCE: Ref. zh. Astronomiya, Abs. 1.51.454

REF SOURCE: Tsirkulyar Astron. observ. L'vovsk. un-ta, no. 41, 1964, 31-34

TOPIC TAGS: sunspot cycle, sunspot, solar cycle

ABSTRACT: The values of the indices $\sum S_{\max}$ (sum of the maximum values of sunspot groups per year), $\bar{S}_M$ (average annual maximum area of spot groups), and $\bar{S}$ (daily mean area taken over a spot group for each year) for the whole sun and for each hemisphere are presented according to material of "Solar data" for 1955-1964. Asymmetry of the northern and southern hemisphere, unusual for the decay side of the cycle, is noted. T. M. [Translation of abstract]

SUB CODE: 03

Card 1/1 mLE

UDC: 523.746

MANDRYKINA, YU. A.

USSR/Geology - Petroleum
Hydrocarbons

ep/Oct 49

"Scattered Form of Hydrocarbon Occurance in Various Sedimentary Rocks," V. A. Yspenskiy,
A. S. Chernysheva, Yu. A. Mandrykina, 17 pp

"Iz Ak Nauk SSSR, Ser Geol" No 5

Concludes that scattered form of hydrocarbons in sedimentary rocks is considerably more prevalent than concentrated form of bitumens in the total mass of probable petroleum stores of the entire earth. From personally gathered material and literary data, determined that quantity of hydrocarbons in the scattered form is 10,000 times greater than total petroleum stores known.

PA 3/50T42

11/11/77 11:11 400 1

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,
p 84 (USSR) 15-57-5-6278

AUTHORS: Uspenskiy, V. A., Mandrykina, Yu. A.

TITLE: The Discovery of the Mineral Sheererite in Fossil Wood
From the Upper Sarmatian Deposits of Taman' (O nakhodke
minerala sheyererita v iskopayemoy drevsine iz
verkhnesarmatskikh otlozheniy Tamani)

PERIODICAL: Tr. Vses. neft. n.-i. geol.-razved. in-ta, 1956, Nr 95,
pp 322-329.

ABSTRACT: A crust of white crystalline substance has been found on
the exposed surface of an ancient tree trunk in fossil
woody material (lignite) in the region of Zelenskiy's
gora (Mountain) on the shore of the Black Sea. The
crystalline substance is locally continuous, locally
consisting of individual bands and spots. A chemical
analysis and also spectral absorption have shown that
this crust is composed of an organic mineral, sneererite
($C_{18}H_{18}$). no initial

Card 1/1

PETROVA, YuaN.; KARPOVA, I.P.; MANDRYKINA, Yu.A.

Some data on hydrocarbons in the scattered organic matter of rocks.
Dokl. AN SSSR 108 no.5:885-888 Je '56. (MIRA 9:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut. Predstavleno akademikom S.I. Mironovym.
(Volga-Ural region--Petroleum research)

PETROVA, Yu.N.; KARPOVA, I.P.; MANDRYKINA, Yu.A.

Chemical composition of solid hydrocarbons in the organic matter
of rocks, Trudy VNIIGRI no.123:39-43 '58. (MIRA 11:12)
(Hydrocarbons)

MANDRYKIN, S.A., inzhener.

Defect of a PS-30 drive. Energetik 2 no.2:21 F '54. (MLRA 7:4)
(Electric circuit breakers)

KISELEV, Pavel Lavrovich; MANDRYKIN, S.A., red.; LARIONOV, G.Ye., tekhn.
red.

[Vibration of electric motors and methods for it's elimination]
Vibratsiia elektricheskikh dvigatelei i metody ee ustraneniia. Mo-
skva, Gos. energ. izd-vo, 1961. 30 p. (Biblioteka elektromontera,
no.45) (MIRA 14:11)

(Electric motors—Vibration)

MANDRYKIN, S.A., inzh.

Increase in the life of a hose-type cable feeding mobile fuel
supply machines. Energetik 10 no.11:22-24 N '62. (MIRA 15:12)
(Electric power plants—Equipment and supplies)

CHERNEV, Konstantin Konstantinovich; MANDRYKIN, S.A., red.; LARIONOV,
G.Ye., tekhn. red.

[Use of protective means in electrical systems] Primenenie
zashchitnykh sredstv v elektroustanovkakh. Moskva, Gosenergo-
izdat, 1963. 56 p. (Biblioteka elektromontera, no.91)

(MIRA 16:8)

(Electric lines--Safety measures)

LIGERMAN, Iosif Izraylevich; MANDRYKIN, S.A., red.; LARIONOV, G.Ye.,
tekhn. red.

[Ventilation of the electrical machines of industrial
enterprises] Ventilatsiia elektricheskikh mashin promysh-
lennykh predpriatii. Moskva, Gosenergoizdat, 1963. 69 p.
(Biblioteka elektromontera, no.96) (MIRA 16:10)
(Electric machinery—Cooling)

ALYAKRITSKIY, Ivan Pavlovich; MANDRYKIN, Sergey Andreyevich;
NIKOLAYEVA, M.I., red.

[Drying of electrical machines and transformers] Sushka
elektricheskikh mashin i transformatorov. Moskva, Energiia,
1964. 86 p. (Biblioteka elektromontera, no.144)
(MIRA 17:12)

USTINOV, Petr Ivanovich; MANDRYKIN, S.A., red.

[Maintenance of stationary lead-acid storage batteries]
Obsluzhivanie statsionarnykh svintsovo-kislotnykh ak-
kumuliatorov. Moskva, Izd-vo "Energiia," 1964. 79 p.
(Biblioteka elektromontera, no.124) (MIRA 17:4)

MANDRYKIN, S.A.

Effect of a "two-wire ground" network on the danger of lightning
strokes. Energetik 12 no.1:41 Ja '64. (MIRA 17:3)

MANDRYKIN, S.A.

Measurement of air gap in electric motors. Energetik 12 no.3:
40-41 Mr '64. (MIRA 17:4)

MANDRYKIN, S. A.

Determination of the direction of rotation of two-speed motors and
proper marking of the leads in motors operating on two voltages.
Energetik 12 no.4:26-27 Ap '64. (MIRA 17/7)

MAIDRYKIN, S.A., Inzh.

Experience in operating ATO2-1000 electric motors. Energetik no.9:22-
25 S '54. (MIRA 17:10)

MANDRYKIN, S.A., inzh.

Use of equipment in the repair of turbogenerators. Energiya
12 no.5:33-35 My 1961. RIFA 17:6

MANDRYKIN, S.A.

Determination of current nonsymmetry using the indications of back
connected instruments. Energetik 12 no.8:26 Ag '64. (MIRA 17:9)

MANEYKIN, ...

For the information of the ... and ...
Bureau of ...

(S) (U) (C)

MANDRYKIN, S.A.

Use of fuses in the protection of electric motors. Energetik
12 no.11s44 N '64 (MIRA 18s2)

MANDRYKIN, S.A.

Removal of a damaged winding from an electric motor. Energetik
12 no.12:22 D '64 (MIRA 18:2)

MANDRYKIN, S.A.

Rewinding of electric motors operating with a partial load for
electric power economy. Energetik 13 no.1:39-40 Ja '65.

(MIRA 18:3)

MANDRYKIN, S.A., inzh. (Moskva)

What a collector should be polished with and causes of brush noise.
Energetik. 13 no.4:28 Ap '65. (MIRA 18:6)

MANDRYKIN, S.A.

Disconnection of a synchronous motor during lightning strokes and network shortcircuits. Energetika. 13 no.7:41-42, 1955.

(AD-A 1848)

1. Nachal'nik elektrotsekh Tsip'elektrotsentrali No.2, M. Sotvetskoy rayonnogo upravleniya energetiki Mosk. khokhlyatse.

MANDRYKIN, S.A.

Direction of the rotation of an electric motor. Energetik. 13 no.9:
39 S '65. (MIRA 18:9)

1. Nachal'nik elektrotsekha Teploelektrotsentrali No.20.

USSR / Zooparasitology. Acarina and Insects. Vectors G
of Pathogenic Agents. Acarina.

Abs Jour: Ref Zhur-Biol., No 6, 1959, 24281.

Author : Mandryko, R. G.

Inst : Karaganda Medical Institute.

Title : Some Data on Spring-Summer (Tick-Borne Encephalitis in Karagandinskaya Oblast.

Orig Pub: Tr. Karagandinsk. med. in-ta, 1957, 1, No 4, 269-270.

Abstract: In a majority of patients tick bites were established, but the species of the carrier has not yet been ascertained. It is probably either *Dermacentor pictus* or *D. marginatus*.

Card 1/1

USSR/Human and Animal Physiology - The Nervous System.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13294

Author : Mandryko, R.G.

Inst : Karaganda Medical Institute

Title : Changes in Basic Physiological Processes in the Brain
Cortex in Parkinsonism

Orig Pub : Tr. Karagandinsk. med. in-ta, 1957, 1, No 4, 271-273

Abstract : No abstract.

Card 1/1

- 136 -

MANDUK, V.

Pneumatic-tube transportation in the synthetic fibers
industry. Khim.volok. no.3:48-50 '60. (MIRA 13:7)

1. Proyeektnoye byuro promyshlennosti iskusstvennykh volokon
Pol'skaya Narodnaya Respublika.
(Textile fibers, Synthetic)
(Pneumatic-tube transportation)

MARTINOV, A.; MANDULOV, V.; APOSTOLOV, G.

Organic diseases caused by Salmonella brandenburg. Suvrem med.,
Sofia no.1:39-42 '61.

1. Okruzhna bolnitsa, Plovdiv (Gl. lekar St. Kushev) i Okruzhna
sanitarna epidemichna stantsiia, Plovdiv. (Gl. lekar Iv. Genev.)

(SALMONELLA INFECTIONS)

Mandulov, V.

3

POPEV, P.
SURNAME (in case), Given Name
Country: Bulgaria
Academic Degree: not indicated
Affiliation: not indicated
Source: Sofia, Khizna, No 2, Mar/Apr 61, pp 27-28
Data: "Salmonellae Dispebjerg, Salmonellae Senftenberg and
Salmonellae Richmond Have Been Separated in Bulgaria."
Co-authors:
APOSTOLOV, P.
MANDULOV, V.
GYUMUSHKAVA, O.

MANDULOV, V.
~~SURNAME~~ (in caps); Given Names

Country: Bulgaria

Academic Degrees: not indicated

Affiliation: not indicated

Source: Sofia, Khizriena, No 2, Mar/Apr 61, pp 47-48

Data: "Polio Viruses Separated in Plovdiv."

MPROZHEANOV, Ch.; MANDULOV, V.

Problem of immunogenesis in patients with schizophrenia.
Nevropsikh nevrozhir 3 no.1:29-32 '62.

1. Psychoneurological Hospital of Kurdzhali, Kurdhali (Chief Physician: K. Kolchev), and Sanitary and Antiepidemic Station of Kurdzhali, Kurdhali (Chief Physician: B. Srebrinov). Submitted October 1962.

KITOV, D.; MODEV, A.; MANDULOVA, E.

Diagnostic importance of pain-inducing methods in patients with sciatica. Suvr. med. 16 no.6:352-355 ' 65.

1. Katedra po nervni bolesti i nevrokhirurgija (rukovoditel - prof. Tr. Zaprianov), Vissh meditsinski institut, Plovdiv.

TOPIC TAGS: flight speed measurement, drift angle measurement, four beam antenna, Doppler effect

gm

ABSTRACT: The proposed system is based on the use of the Doppler effect in the continuous radiation and reception of electromagnetic waves by a four-beam antenna. Measurement accuracy is improved by simultaneous reception of coherent signals from two points on the terrain swept by a pair of antenna beams. For this purpose, as well as to reduce the weight of the unit, a single receiving channel is used which is equipped with an electron commutator to switch the receiving antennas in pairs. A converted signal from the transmitter serves as a heterodyne voltage. Orig. art. has: 1 figure. [JR]

ASSOCIATION: none

Card 1/g

MANDY, G.

0

Effect of leaf level and time of cutting on the pigmentation of dried tobacco leaves. G. Mandy (*Nicotiana glauca*, 1952, 1, 51-55). — Fifteen tobacco varieties were examined. The colour of naturally dried leaves was dependent upon their age, position on stem, and time of cutting. Light-coloured samples are the most valuable. A. STORREY.

MANDY, GY: ~~KARPATI, I.~~

IDOJARAS. (Meteorologiai Intezet es Magyar Meteorologiai Tarsasg) Budapest.

Determination of the temperature need of sprouting tree species. p. 261

Vol. 62, No. 5, Sept./Oct. 1958

Monthly List of East European Acessions (EEA), LC, Volume 8, No. 3, March 1959
Unclass.

MANDY, Gyorgy

In commemoration of Dr. Otto Orsos on the twentieth anniversary
of his death. Biol kozl 8 no.2:113-115 '60.

MANDY, Gyorgy (Budapest, V., Szemere u.9); CSATARI-SZUTS, Kalman

Investigations of pea varieties from the points of view of
morphology and growth physiology. Botan kozl 48 no.3/4:202-216
'60.

1. OVF telepe, Monor (for Csatari-Szuts).

MANDY, Gyorgy, dr., a biológiai tudományok kandidátus (Tapioszele)

History of rye improvement in Hungary. Term tud kozl 5 no.3:122-124
Mr '61.

MANDY, Gyorgy; KOVACS, Sandor

After-effect of photoperiodic treatment of hops. Botan kozl 49
no.1/2:59-63 '61.

MANDY, Gyorgy, dr., a biologiai tudományok kandidátusa

Remark about the article "Species and subspecies." Term tud kozl
6 no.6:282 Je '62.

MANDY, Gyorgy, dr.

0

"Large-scale hop growing" by Dr. Sandor Kovacs. Reviewed by Dr.
Gyorgy Mandy. Elet tud 17 no.24:742 17 Je '62.

MANDY, Gyorgy, dr.

Heat and the Hungarian climate. Elovilag 9 no.4:42-44. J1/Ag
'64.

Bocsa, I.; Mandy, Gy.

Investigations into the morphology, flowering and fertilization biology of wild Medicago species. Acta bot Hung 10 no.1/2: 13-26 '64.

1. Institute of Agricultural Experiments in Northeastern Hungary, Kompolt (for Bocsa). 2. National Institute of Agrobotany, Tapiosele (for Mandy). Submitted November 10, 1962.

ANDREI, I., ing.; MANDY, P., ing.

That we may know the theory and practice relative to the plan of forming goods trains. Rev sailor fer 10 no.2:59-62 F '62.

1. Directia Miscarii si Comercialului.

VANDY, T.

Determination of the size of crystals with the aid of roentgen analysis,
p. 209, (FOLDTANEMEZLONY. BULLETIN OF THE HUNGARIAN GEOLOGICAL SOCIETY,
Budapest Hungary). Vol. 84, No. 3, July/Sept. 1944.

SC: Monthly List of East European Accessions, (CEAL), IC, Vol. 4, No. 5,
May 1955, Uncl.

MANDY, T.

MANDY, T. Traces of copper ore at Balatonfured. p. 457.

Vol. 35, no. 4, Oct./Dec. 1955

FOLDTANI KOZLONY. BULLETIN OF THE HUNGARIAN GEOLOGICAL SOCIETY

GEOGRAPHY & GEOLOGY

Budapest, Hungary

So: East European Accessions, Vol. 5, no. 5, May 1956

Mandy, T.
Distr: 4E2c(m)

✓ The production of single crystals of the $Al_2O_3-Ga_2O_3$ system. T. Mandy. *Földtani Közlöny* 86, 441-4 (1958).— In the course of crystn. by the Verneuil method as much as 18% Ga_2O_3 can be built into the corundum lattice. On crystg. no solid soln. of the phase $GaAlO_3$, stable at lower temps., was observed. The phys. properties and lattice dimensions of the mixed crystals obtained exhibit a gradual transition towards $\alpha-Ga_2O_3$. As a solitary phase the β modification is invariably produced. The growing of pure single crystals of Ga_2O_3 is impossible without using an intensely oxidizing atm. The color of the crystals is influenced by the Ga content only at higher temps. P. M. B.

4
1-mcc(=0)

Country	: Hungary	D
Category	: Cosmochemistry. Geochemistry. Hydrochemistry.	
Abs. Jour	: Referat Zhur -- Khim, No 13, 1959	45368
Author	: Tokody, L., <u>Mandy, T.</u> , and Nemesne, V. S.	
Institut.	: Not given	
Title	: Gorceixite from Felsoban (Baia Sprie) (Hungary)	
Orig Pub.	: Földt koeztudeny, 88, No 1, 76-82 (1958)	
Abstract	: See RZhKhim, No 6, 1959, 18958.	

Card: 1/1

MANDY, Tamas; VAVRINECZ, Gabor

General causes for the formation of molasses and a new double
compound of sugar. Cukor 12 no.7:176-178 JI '59.

MANDY, Tamas; OTVOS, Ervin, Jr.

The "lymph" problem and surface granulitization; also, a remark by
G.Panto. Foldt kozl 90 no.2:192-199 Ap-Je '60. (EEAI 10:2)

1. Epitoipari es Kozlekedesi Muszaki Egyetem Asvany- es Foldtani
Tanszek, Budapest (for Mandy)
(Hungary--Geology)

KOVACS, Laszlo, okl. vegyeszmernok; MANDY, Tamas, okl. vegyeszmernok;
M. DOBOS, Irma, Dr., geologus.

Examination of the sand originating from the middle Eocene in
Dorog. Bany lap 93 no.5:314-322 My '60

1. Melyfurasi Szerszamgyarto es Gepjavito Vallalat, Furasfejlesztési
Osztaly (for Kovacs).
2. Epitoipari es Kozlekedesi Muszaki Egyetem, Ascany- es Foldtani
Tanszek (for Mandy).
3. Orszagos Vizkutato es Furo Vallalat (for Dobos).

DOBOZY, Otto; GUBA, Ferenc; MANDY, Tamas

Data on the properties of the copper complex of cystine. *Magy kem folyoir* 68 no.1:1-5 Ja '62.

1. Kozponti Kolorisztikai Kutato Intezet, Budapest (for Dobozy).
2. Budapesti Muszaki Egyetem Szerves-Kemiai-Technologiai Tanszeke; Magyar Tudomanyos Akademia Muszaki Fizikai Kutato Intezete, Mikromorfolgiai Osztaly; Muszaki Egyetem Asvanykozettani Tanszeke (for Guba and Mandy).

(Copper) (Cystine) (Complex compounds)

KOVACS, Laszlo, okleveles vegyeszmernok; MANDY, Tamas, okleveles vegyeszmernok; M. Dobos, Irma, dr., geologus

Examination of the sand originating from the middle Eocene period in the Dorog coal basin. Bany lap 93 no. 5:314-322 My '60.

1. Melyfurasi Izserszamgyarto es Gepjavito Vallalat Furasfejlesztési Osztalya (for Kovacs).
2. Epitoipari es Kozlekedesi Muszaki Egyetem Asvany-es Foldtani Tanszeke (for Mandy).
3. Orszagos Vizkutato es Furo Vallalt (for M. Dobos).

1ST AND 2ND OPERATIONS										3RD AND 4TH OPERATIONS									
PROCESSING AND PROPERTIES INDEX																			
5 MANDYBUR, K. 29 Standardization in the Steel Industry. K. Mandybur. (Hutnik, 1946, vol. 13, Dec., pp. 631-646). [In Polish]. Designations for plain carbon and alloy steels are given, together with chemical and mechanical properties for a number of constructional steels. Designations for some high alloy steels are also suggested.—W. J. W.																			
ASA-31A METALLURGICAL LITERATURE CLASSIFICATION										REGIONAL SOCIETY									
REGIONAL SOCIETY										REGIONAL SOCIETY									

MANDYBUR, K.,

MANDYBUR, K. & OGGERMAN. : ELEKTROLITYCZNE POLEROWANIA DILIFU METALOGRAFICZNYCH.
(ELECTROLYTIC POLARIZATION OF METALLOGRAPHIC PARTICLES.). Wydawnictwo Naukowe-
Hutnicze, 1958,

74 p.

P O L .

Standardization in the Iron and Steel Industry. K. Mandy-
bur. (Huswilt, 1954, 81, (5), 144-149). (In Polish).—The
importance of standardization for the industrialization of
Poland and the beneficial results which can be obtained by
co-ordination of Polish and Russian standards are discussed.
A short survey of Polish standards is given.—v. o.

M. J. H.

MANDYBUR, K.

POLAND

"Standardization Activity of the Metallurgical Research Institute," by K. MANDYBUR;
Prace Instytutow Ministerstwa Hutnictwa, Gliwice, Nos. 2-4, 1955.

~~SECRET, POLSKA WYSPRAWA~~

MANDYBUR, K., MALKIEWICZ, T.

New qualities of steel. p. 257. DZIENNIK URZEDOWY.

Wiadomości

Warswa

Vol 22, no 7, July 1955

Source: East European Accessions List (EEAL), LC, Vol 5, no 3, 1956

18(5,7)

POL/39-59-7/8-13/24

AUTHOR:

Mandybur, K.

TITLE:

Quality Steel Production in Poland in Numbers

PERIODICAL:

Hutnik, 1959, Nr 7-8, pp 319-321 (POL)

ABSTRACT:

By the term quality steel is meant: all high quality carbon steels, structural alloy steels, steel for tool making, stainless, refractory and anti-corrosive steel. The years for which the figures are given are 1956, 1957 and 1958. Special steels made for the armaments industry are not included in the present statistics. Table 1 shows how orders for rolled steel products increased between 1956 and 1958. The types of steel itemized in column 1 are: structural steel, steel for tool-making, acid-resistant and refractory steel, other steels with special physical qualities, sheet steel for generators and sheet steel for transformers. The figures are all given in tons. Table 2 gives figures (in tons) for quality structural steels. In column 1 they are grouped as follows: carbon steels, alloy steels (8 types), total for alloy steels

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Quality Steel Production in Poland in Numbers POL/39-59-7/8-13/24

not containing Ni, Mo and V, 3 types of alloys containing Mo and V and their total production, total figures for steels not containing Ni, alloys containing up to and over 2% Ni, total figures for alloys containing Ni, finally totals for all alloy structural steels and totals for all quality structural steels. Table 3 shows total orders and percentages of alloy steels destined for carburization. The 4 types given are: without Ni, Mo and V, with Mo and V, with up to 2% Ni and with over 2% Ni. Table 4 shows total orders and percentages of the same 4 types of alloy steels, destined for thermal treatment. Table 5 shows total orders in tons of various types of high-quality rolled steel, the following types being itemized in column 1: steel for tool making and cutting; carbon steel; alloy steel; acid-resistant and refractory; total of last two items in table; alloys without Ni and containing up to 4% Ni; finally, alloys containing over 4% Ni. There are about 250 types of quality steels produced in Poland, to which must be added, of course, about 70 varieties of ordinary steel and about

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Quality Steel Production in Poland in Numbers POL/39-59-7/8-13/24

50 types of cast steel. The number of varieties produced is increasing steadily. The author notes here that foreign varieties are often unnecessarily copied since almost identical varieties are being produced at home and the introduction of new types only requires added expenditure caused by new methods of treatment, new tests etc. The author also calls for a more rational policy of making orders for steel from the industry which cannot operate profitably if orders are too small. In turn, the industry must be able to supply the home market with the widest possible range of products. There are 5 tables.



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P/043/60/000/06/03/003

AUTHOR: Mandybur, Kazimierz, Master of Engineering

TITLE: New Types of Steel⁴ and Products of Ferrous Metallurgy in the USSR

PERIODICAL: Wiadomości Hutnicze, 1960, No. 6, pp. 182 - 183

TEXT: The periodical "Standartizatsiya" published details on the recently introduced technical conditions, the so-called "Chornaya Metallurgiya. Tekhnicheskkiye Usloviya", worked out by the Central Scientific Research Institute of Ferrous Metallurgy in Moscow. The March issue of the above-mentioned periodical deals with the technical conditions worked out for new types of steel and products of ferrous metallurgy, i.e. 1) a 6-9-mm rolling mill for reinforcement steel of prestressed concrete; 2) new special sectional steel for railroad cars made from 09G2 manganese steel; 3) H25N5T¹⁶ economy steel with 5% nickel content; 4) H17N4G7A¹⁶ economy steel containing about 4% nickel, nitrogen, and about 7% manganese; 5) H17N5M2¹⁶ steel; 6) MSt3¹⁶, 10¹⁶, 20K¹⁶ boiler-sheet plated with acid-resistant 1H18N9T¹⁶ and 1H18N12M2T¹⁶ steel; 7) OH18N9T¹⁶ and OH18N12M2T¹⁶ acid-resistant steel sheet with a maximum carbon content of 0.08%; 8) 2H13¹⁶ automatic chromium steel. Experiments on industrial level are also being carried out with the 12HMF¹⁶ and 12HMF¹⁶ heat-resistant steel containing boron. Technical conditions for a

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P/043/60/000/06/03/003

New Types of Steel and Products of Ferrous Metallurgy in the USSR

trial batch of products from steel with special physical properties, such as the N45MT alloy for bars, have also been worked out. Three types of thermocouple metals for temperatures ranging from -60 to +200°C, with linear expansion coefficients and resistance degrees are also described in the above-mentioned periodical. Details are also given on various types of wires for welding low-alloy pearlite steel and high-alloy austenitic steel. The periodical also gives the description of technical conditions for coarse sheet from 18G2 low-alloy steel, whose mechanical properties differ little from the Polish St52 steel, and for the 19G steel sheet with a thickness ranging from 8 to 10 mm. Reference is also made to the 20HGNR structural alloy steel for tractors and vehicles, replacing the 20HNR and 18HGNR steel.

Card 2/2

MANDYBUR, K.

~~SECRET~~
New products of the iron metallurgy in the U.S.S.R. Hutnik P
29 no.7/8:306-307 JI-Ag '62.

MANDYBUR, K.

New types of steel and steel products in the U.S.S.R. Hutnik P 29
no.10:388-389 0 '62.

1. Instytut Metalurgii Zelaza, Gliwice.

MANDYBUR, Kazimierz, mgr inz.; BERNACIK, Antoni, mgr inz.

Testing of high-strength concrete reinforcing rods and wire rods made of low-alloy steels; A-III [Q min 40 kG (mm^2) type hot-rolled wire rods. Biul inf inst metal zel no.2; 1-7 '64.

1. Division of Standards and Technical Elaboration of Technological Problems of the Institute of Iron Metallurgy, Gliwice.

DOBOSZ, Janusz; MANDYBUR, Tadeusz; SZEWCIKOWSKI, Jerzy

1)
A case of co-existing tabes dorsalis and meningioma of the posterior cranial fossa. Neurologia etc. polska 11 no.2:273-275
Mr-Apr '61.

1. Z Oddziału Neurologicznego Państwowego Szpitala dla Psychicznie i Nerwowo Chorych w Pruszkowie Wsch. Ordynator: dr med. B. Stepień
Dyrektor Szpitala: dr med. F. Kaczanowski i z Pracowni Histologicznej Państwowego Instytutu Psychoneurologicznego w Tworkach Kierownik
per interim: doc. dr E. Osetowska Dyrektor Instytutu: prof. dr
Z. Kuligowski.

(TABES DORSALIS compl) (MENINGIOMA compl)
(BRAIN NEOPLASMS compl)

MAJKOWSKI, Jerzy; MANDYBUR, Tadeusz

Dynamics of EEG changes in transplanted brain tumors in rats.
(Preliminary communication). Neurol. etc., polska 11 no.4:433-444
'61.

1. Z Kliniki Neurologicznej AM w Warszawie Kierownik: prof. dr I
Hausmanowa-Petrusewicz; z Zakładu Neuropatologii PAN Kierownik:
prof. dr A Kunicki; z Zakładu Biologii Nowotworów Instytutu Onkologii
w Warszawie im. Marii Curie-Skłodowskiej Dyrektor: prof. J. Laskowski
Kierownik Zakładu: prof. dr K. Dux.
(ELECTROENCEPHALOGRAPHY) (NEOPLASMS exper)
(BRAIN NEOPLASMS exper)

OSETOWSKA, E.; MANDYBUR, T.

Primary rheumatic encephalitis. Polski tygod. lek. 16 no.23:869-875
5 Je '61.

1. Z Pracowni Warszawskiej Zakladu Neuropatologii PAN; kierownik
Pracowni: doc. dr E. Osetowska.

(RHEUMATIC FEVER compl) (ENCEPHALITIS etiol)

MANDYBUR, Tadeusz

Morphology of subependymomas of the 4th cerebral ventricle. Neurol. neurochir. psychiat. pol. 12 no.4:509-515 '62.

1. Z Pracowni Histopatologicznej Instytutu Psychoneurologicznego w Pruszkowie, Dyrektor Instytutu: prof. dr med. Z. Kuligowski. Kierownik Pracowni: doc. dr med. M. Filipowicz.
(CENTRAL VENTRICLE NEOPLASMS)

MANDYCH, A.F.

Characteristics of the sediment discharge of rivers of the
Black Sea coast of the Caucasus and methods for its
determination. Vest.Mosk.un.Ser.5: Geog. 20 no.4:78-80
Л-Аг '65. (MIRA 18:12)

MANDYCH, A.F.

Influence of flood waves of mountain rivers on sediment discharge.
Meteor. i gidrol. no.2:41-43 F '66. (MIRA 19:1)

1. Moskovskiy gosudarstvennyy universitet. Submitted August 9, 1965.

MANDYCH, V.P.

Why does the ~~TE~~ diesel locomotive cabin have no sound insulation?
Elek.1 tepl.tiaga 4 no.2:45 P '60. (MIRA 13:6)

1. Master depo Liski, Yugo-Vostochnaya doroga.
(Diesel locomotives)

MANDYCH, V.P.

We have increased the life of the pressure gauge. Elek. i tepl.
tiaga 4 no.11:18 N '60. (MIRA 13:12)

1. Master otdeleniya po remontu tochnykh priborov, depo Liski
Yugo-Vostochnoy dorogi.
(Pressure gauges)
(Diesel locomotives--Equipment and supplies)

MANDYCH, V.P.

Photographic method of preparing instrument scales. Elek. i
tepl. tiaga no. 7:24-25 J1 '66. (MIRA 13:8)

1. Master otdeleniya po remontu izmeritel'nykh priborov
depo Liski Yugo-Vostochnoy dorogi.
(Engineering instruments)

MANDYGRAL, Zenon, mgr inz.

Military aeronautics in the books published by the Publishing
Agency of the Ministry of National Defense. Przegl techn 85
no.41:4 11 0 '64

MANDYS, F.

CZECH

374. 1. Definite with a certainty in the design of the circuit. *Abstractly, Obsac, 16, No. 1, 47.*

It is found that, at a given frequency, an inductively LC filter section may be employed as a phase shifter. A circuit having a total shift of 0 to 50° is designed; this consists of three LC sections, the required change in the parallel capacitance being 44%. The circuit was employed in a low-frequency oscillator (10 kHz) to 10 MHz having two phase-shifted outputs.

n. s. sudanovic

1/1

CZECH

621.374.5 : 514.521.9
2783. Ultrasonic delay lines. E. MANDYS. *Státoproměty Obsaz*, 16, No. 1, 131-6 (1959) in Czech.

The system considered consists of two piezoelectric transducers (transmitter and receiver) and a delaying medium. Properties of the materials employed for the delay medium and those of the piezoelectric crystals are reviewed. A delay system consisting of two ADP, S-cut crystals, having a diameter of 15 mm and a thickness of 0.3 mm, and a 10 mm long Dural (Al-Mg3) delay medium is described; the device had a bandwidth of 200 kc/s, centred around 3.3 Mc/s, and attenuation of 50 db, its delay being 3.3 μ sec. A similar system with a 203 mm long delay medium proved unsuccessful, due to a very large attenuation.

R. S. SPOKOVICZ

Mandys, F.

621.376.23 : 621.385.032.216
 5266. Compensation of the changes of the Boltzmann
 region emission currents in certain types of detectors.
 F. Mandys. *Sobornyye Otkrytiya*, 16, No. 7, 365-7
 1955, in C. 223.

Changes of the emission current caused by the
 temperature variation or ageing of the cathode can
 be compensated in a triode, which operates as a diode
 detector, by inserting a resistance between the grid
 and the anode. With an increase of the emission
 current the grid current increases; this causes an
 increase in the negative voltage of the grid and results
 in an effective reduction of the anode current. The
 value of the compensating resistance is chosen
 experimentally. A full-wave rectifier circuit having a
 stabilization factor of 15 is described. A. S. SHKROVITZ

621.376.23 : 821.355.3
1130. THE THEORY OF DIODE DETECTION APPLIED TO
THE MINIATURE VALVES. F. Mandys

Sidorovery Otdel. Vol. 16, No. 6, 128-1 (1955). In Czech.

Consider a simple circuit in which a sinusoidal voltage of zero-impedance source is applied to the cathode of a diode, the anode being connected directly to earth. It is assumed that the current-voltage characteristic of the diode within the space-charge-limited region can be expressed either by the $\frac{1}{2}$ power law, i.e. $I_a = K E_c^{\frac{1}{2}}$ or $I_a = E E_c^n$, where n differs from $\frac{1}{2}$. Expressions for the fundamental and direct current components at the output are derived. These are plotted and compared with the experimental data. It is concluded that the $\frac{1}{2}$ power law provides a good approximation also in the case of miniature valves, except in the Boltzmann current region.

R. S. Sidorovery

Mandys, Frantisek
Category : CZECHOSLOVAKIA/Electronics - Electron Tubes

H-5

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 1679

Author : Mandys, Frantisek
Inst : Ustav pro výzkum radiotechniky, Czechoslovakia
Title : Effect of Space Charge on the Properties of Vacuum Tubes

Orig Pub : Slaboproudy obzar, 1956, 17, No 4, 194-197

Abstract : An analysis of the effect of space charge on the characteristics of vacuum tubes, particularly in the region of the initial current. The value of the retarding potential is calculated, starting with a Maxwellian distribution of the electron velocities of the electrons emitted from the cathode. The value of the retarding potential is a measure of the influence of the space charge, since the work function of the cathode with respect to the anode is increased by this quantity. Bibliography, 5 titles.

Card : 1/1

CZECHOSLOVAKIA/Radio Physics - Radio Frequency Measurements

I-7

Abs Jour : Ref Zhur - Fizika, No 12, 1958, No 28277

Author : Varecha Karel, Mandys Frantisek

Inst : Not Given

Title : Apparatus for the Measurement of the Noise Temperature of Silicon Crystals.

Orig Pub : Slaboproudy obzor, 1958, 19, No 2, 67-72

Abstract : The author considers a matching four-terminal network between the output of a detector chamber and the input of an intermediate frequency amplifier (the so-called Roberst circuit). The operation of this reactive four-terminal network is analyzed in detail and the possibility of an error in the measurement of the noise temperature due to the spread in the valence of the output impedances of the mixing detectors is estimated. Nomograms are given for the calculation of the capacitances and inductances of the Roberts circuit in the range from 10 to 100 Mcs for medium values of the output resistances from 100 to 1,000 ohms. The structural data of the apparatus for the measurement of the noise temperature of silicon crystals are briefly described.

Card : 1/1

L 24177-66 EWT(m)/EPF(n)-2/EWA(h)

ACC NR: AR6005230

SOURCE CODE: UR/0058/65/000/009/E111/E111

AUTHORS: Baazov, N. G.; Mandzhavidze, A. G.

TITLE: Production of Beta cobalt with prescribed properties and their study by the neutron polarization method

SOURCE: Ref. zh. Fizika, Abs. 9E921

REF. SOURCE: Sb. Elektron. i ionnyye protsessy v tverd. telakh. No. 1, Tbilisi, Metsniyereba, 1964, 103-111

TOPIC TAGS: cobalt, neutron polarization, x ray measurement

TRANSLATION: A procedure is proposed for electrolytically producing Co films whose quality was controlled by means of magnetic and x-ray diffraction measurements, and also by determining the degree of neutron polarization. A correlation is established between the degree of polarization, the magnetic characteristics, and the structure of the Co mirrors.

SUB CODE: 20

Card 1/1

TUMANISHVILI, G.D.; MANDZHAGALADZE, V.P.; DZHANELIDZE, Kh.N.

Effect of liver extracts on nucleic acid synthesis in a regenerating frog liver. Biokhimiia 28 no.6:942-950 Nov 1963 (MIRA 17:1)

1. Institute of Physics, Academy of Sciences of the Georgian S.S.R., Tbilisi.